

STR

CEPERLEY 09/647,518

=> d his

(FILE 'HOME' ENTERED AT 09:58:50 ON 17 AUG 2001)

FILE 'REGISTRY' ENTERED AT 09:59:01 ON 17 AUG 2001

L1 STR
 L2 29 S L1
 L3 STR L1
 L4 SCREEN 2005
 L5 SCREEN 2026 OR 2021 OR 2016 OR 1992
 L6 5 S L3 AND L4 NOT L5
 L7 4108 S L3 AND L4 NOT L5 FUL 4108 cpds from full file search
 L8 2624 S L7 AND NC=1 2624 cpds are homopolymers
 L9 12 S L8 AND "LAURYL"
 L10 5 S L8 AND "STEARYL"
 L11 15 S L8 AND "STEARATE"
 L12 12 S L8 AND "LAURATE"
 L13 23 S L12 OR L9
 L14 19 S L10 OR L11
 L15 636 S L7 AND NC=2
 L16 6 S L15 AND "ETHENYL ESTER"
 L17 630 S L15 NOT L16
 L18 52 S L17 AND "2-PROPENOIC"
 L19 578 S L17 NOT L18 578 cpds w/ 2 components
 L20 850 S L7 NOT (L15 OR L8)
 L21 631 S L20 NOT ("ETHENYL ESTER" OR "2-PROPENOIC") 631 cpds w/ 3 or more components

> provided d scan of L13 & L14 to ensure that the
 subtracting out methacrylate lauryl & stearic claims are covered

FILE 'HCAPLUS' ENTERED AT 10:46:34 ON 17 AUG 2001

L22 47183 S L8 OR L19 47183 cites for L8 & L19 cpds (covers L22 - 47)
 L23 2669 S L22(L) (THU OR BUU)/RL
 L24 78 S L22(L)ADJUVANT
 L25 371233 S AQUEOUS SOLUTION OR MICEL?
 L26 294868 S EMULS? OR VESIC?
 L27 4 S L24 AND L25
 L28 0 S L27 NOT L27
 L29 235 S L22 AND ADJUVANT
 L30 20 S L29 AND L25
 L31 19 S L30 NOT L26
 L32 28278 S LT OR CT OR 3D-MPL OR 3DMPL OR CPG OR QS21
 L33 279796 S ANTIGEN? OR IMMUNOSTIM?
 L34 1 S L31 AND L32
 L35 2 S L31 AND L33
 L36 3 S L34-35 3 cites
 L37 16 S L31 NOT L36
 L38 299332 S VIRUS OR VIRAL? OR VACCIN?
 L39 3 S L37 AND L38 3 cites
 L40 13 S L37 NOT L39 13 cites
 L41 197 S L23 AND L25
 L42 162 S L41 NOT L26
 L43 1 S L42 AND L32
 L44 5 S L42 AND L33
 L45 12 S L42 AND L38
 L46 16 S L43-45
 L47 14 S L46 NOT L31 14 cites L47 cites are related to L25 but are not
 L48 461 S L21 3 or more components labelled as adjuvants
 L49 0 S L48(L)ADJUVANT
 L50 4 S L48 AND ADJUVANT
 L51 0 S L50 AND L25
 L52 31 S L48 AND L25
 L53 29 S L52 NOT L26
 L54 2 S L53 AND (L32-33 OR L38)
 L55 1 S L54 NOT (L31 OR L46) 1 cite
 L56 27 S L53 NOT L54
 L57 0 S L56 AND (LAURYL OR LAURIC OR STEARIC OR STEARYL)
 L58 5 S L56 AND POLYOXYETHYLENE? 5 cites

FILE 'USPATFULL' ENTERED AT 11:38:35 ON 17 AUG 2001

L59 8382 S L8 OR L19 - I did not search the L21 cpds (3 or more
 L60 0 S L59(L)ADJUVANT components) since they did not
 seem promising in HCAPLUS

SEARCHED BY SUSAN HANLEY Phone: 305-4053

Page 1

L61 721 S L59 AND ADJUVANT
L62 224674 S AQUEOUS SOLUTION OR MICEL?
L63 176291 S EMULS? OR VESIC?
L64 35292 S LT OR CT OR 3D-MPL OR 3DMPL OR CPG OR QS21
L65 41121 S ANTIGEN? OR IMMUNOSTIM?
L66 52450 S VIRUS OR VIRAL? OR VACCIN?
L67 430 S L61 AND L62
L68 99 S L67 NOT L63
L69 20 S L68 AND L64
L70 35 S L68 AND L65-66
L71 39 S L69 OR L70
L72 24 S L71 AND SURFACTANT
L73 6 S L71 AND DETERGENT
L74 28 S L72-73

28 patents

=> d que 122

L3

STR

HO—G1—G2—G3
1 2 3 4

CH2—CH2—O
@5 6 @7

C≡O
@8 9

Ak @10

Ak—Cb
@11 12

Cb—Ak
@13 14

C=O
on
bond

repeating
unit

REP G1=(1-20) 5-1 7-3

REP G2=(0-1) 8

VAR G3=10/11/13

NODE ATTRIBUTES:

CONNECT IS E1 RC AT 10

CONNECT IS E2 RC AT 11

CONNECT IS E1 RC AT 14

DEFAULT MLEVEL IS ATOM

GGCAT IS SAT AT 10

GGCAT IS SAT AT 11

GGCAT IS MCY UNS AT 12

GGCAT IS MCY UNS AT 13

GGCAT IS SAT AT 14

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 14

STEREO ATTRIBUTES: NONE

L4 SCR 2005

L5 SCR 2026 OR 2021 OR 2016 OR 1992

L7 4108 SEA FILE=REGISTRY SSS FUL L3 AND L4 NOT L5

L8 2624 SEA FILE=REGISTRY ABB=ON PLU=ON L7 AND NC=1

L15 636 SEA FILE=REGISTRY ABB=ON PLU=ON L7 AND NC=2

L16 6 SEA FILE=REGISTRY ABB=ON PLU=ON L15 AND "ETHENYL ESTER"

L17 630 SEA FILE=REGISTRY ABB=ON PLU=ON L15 NOT L16

L18 52 SEA FILE=REGISTRY ABB=ON PLU=ON L17 AND "2-PROPENOIC"

L19 578 SEA FILE=REGISTRY ABB=ON PLU=ON L17 NOT L18

L22 47183 SEA FILE=HCAPLUS ABB=ON PLU=ON L8 OR L19

when n >= 8 - reg retrieves any polymer that fits the STR

47153 SEARCH REQUEST FORM

Access DB#

RECEIVED

Scientific and Technical Information Center

JUL 19 2001

Requester's Full Name: MOLLY CEPERLEY Examiner #: 59757 (Dad 07/19/01)
 Att Unit: 1641 Phone Number: 302-452-39 Serial Number: 69/147-518
 Mail Box and Bldg/Room/Location: CM1-8D75 Results Format Preferred (circle) PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples of relevant citations, authors, etc. if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention:

Inventors (please provide full names):

Earliest Priority Filing Date:

Point of Contact:
Susan Hanley

Technical Info Specialist
CM1-12014 Tel: 305-4053

*For Sequence Searches Only: Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

*See Bibliography
Data sheet attached*

Please search for the VACCINE ADJUVANT of the attached claims.
 Please be sure to cover the ethers and esters listed on page 4.
 The compounds are known. I am looking for their use as an adjuvant. Please also search the positive and/or negative limitations circled in red. Note that claim 1 reads on a surfactant combination in water (I'm interested in any references describing this for ANY use).

Terms:

surfactant
vaccine
adjuvant
polyoxyethylene and [ether or ester]
micelle
aqueous

vesicle
emulsion
immunostimulant
antigen
pharmaceutical

STAFF USE ONLY

Type of Search

Vendor and cost where applicable

Searcher: Hanley NA Sequence (#) STN
 Searcher Phone #: Hanley AA Sequence (#) _____ Dialog _____
 Searcher Location: _____ Structure (#) 1 Questel/Orbit _____
 Date Searcher Picked Up: 8/18/01 Bibliographic _____ Dr. Link _____
 Date Completed: 8/17 Litigation _____ Lexis/Nexis _____
 Searcher Prep & Review Time: _____ Fulltext _____ Sequence Systems _____
 Clerical Prep Time: _____ Patent Family _____ WWW/Internet _____
 Online Time: _____ Other _____ Other (specify) _____